

Element		Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD	Element		Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD	Element		Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD	
Linear	POB	124+32.95	569.43	77.05	-0.80%					Linear	PVT	146+15.00	581.14	135	4.22%						Symmetrical Parabola	PVC	171+02.50	642.31	185	2.74%	-3.29%	30.65	-1.4	271.29
	POVT	124+50.00	569.29								POVT	146+50.00	582.62									POVC	171+50.00	643.25						
	POVT	125+00.00	568.89								POVT	147+00.00	584.73									VHIGH	171+86.56	643.47						
	PVC	125+10.00	568.81								PVC	147+50.00	586.84									PVI	171+95.00	644.85						
Symmetrical Parabola	PVC	125+10.00	568.81	170	-0.80%	0.53%	128.5	0.28		Symmetrical Parabola	PVC	147+50.00	586.84	330	4.22%	-1.73%	55.49	-2.45	346.47	Linear	PVT	172+87.50	641.8	52.5	-3.29%					
	POVC	125+50.00	568.56								POVC	148+00.00	588.72								POVC	172+00.00	643.44							
	PVI	125+95.00	568.14								POVC	148+50.00	590.16								POVC	172+50.00	642.81							
	POVC	126+00.00	568.41								POVC	149+00.00	591.14								PVT	172+87.50	641.8							
	VLOW	126+12.30	568.4								PVI	149+15.00	593.8								POVT	173+00.00	641.39							
	POVC	126+50.00	568.46								POVC	149+50.00	591.67								PVC	173+40.00	640.07							
Linear	PVT	126+80.00	568.58	185	0.53%					Symmetrical Parabola	VHIGH	149+84.15	591.78	130	-3.29%	-4.00%	183.6	-0.12	1589.25	Linear	PVC	173+40.00	640.07	67.5	-4.00%					
	POVT	127+00.00	568.69								POVC	150+00.00	591.76								POVC	173+50.00	639.74							
	POVT	127+50.00	568.95								POVC	150+50.00	591.39								PVI	174+05.00	637.93							
	POVT	128+00.00	569.22								PVT	150+80.00	590.95								POVC	174+50.00	636.12							
Symmetrical Parabola	POVT	128+50.00	569.48	190	0.53%	-0.20%	259.6	-0.17	1569.71	Linear	PVT	150+80.00	590.95	235	-1.73%					Symmetrical Parabola	PVT	174+70.00	635.33	275	-4.00%	-6.81%	97.86	-0.97	521.53	
	PVC	128+65.00	569.56								POVC	151+00.00	590.6								POVC	174+70.00	635.33							
	PVI	129+60.00	570.06								POVC	151+50.00	589.74								PVT	174+70.00	635.33							
	POVC	129+00.00	569.72								POVT	152+00.00	588.88								POVT	175+00.00	634.13							
	POVC	129+50.00	569.87								POVT	152+50.00	588.01								PVC	175+37.50	632.63							
	POVC	130+00.00	569.92								POVT	153+00.00	587.15								POVC	175+37.50	632.63							
	VHIGH	130+01.82	569.92								PVC	153+15.00	586.89								POVC	175+50.00	632.12							
	POVC	130+50.00	569.87								POVC	153+50.00	586.34								PVI	176+75.00	627.13							
	PVT	130+55.00	569.86								POVC	154+00.00	585.72								POVC	176+00.00	629.93							
	PVT	130+55.00	569.86								POVC	154+50.00	585.3								PVI	176+75.00	627.13							
Linear	POVT	131+00.00	569.77	390	-0.20%					Symmetrical Parabola	PVI	154+65.00	584.3	300	-1.73%	0.72%	122.6	0.92		Linear	POVC	177+00.00	624.78	142.5	-6.81%					
	POVT	131+50.00	569.67								POVC	155+00.00	585.09								POVC	177+50.00	621.82							
	POVT	132+00.00	569.57								VLOW	155+26.84	585.06								POVC	178+00.00	618.61							
	POVT	132+50.00	569.46								POVC	155+50.00	585.08								PVT	178+12.50	617.76							
	POVT	133+00.00	569.36								POVC	156+00.00	585.28								PVT	178+12.50	617.76							
	POVT	133+50.00	569.26								PVT	156+15.00	585.38								POVT	178+50.00	615.21							
	POVT	134+00.00	569.16								PVT	156+15.00	585.38								POVT	179+00.00	611.8							
	PVC	134+45.00	569.07								POVT	156+50.00	585.63								PVC	179+50.00	608.06							
	PVC	134+45.00	569.07								POVT	157+00.00	585.99								PVC	179+50.00	608.06							
	PVC	134+50.00	569.06								PVC	157+50.00	586.35								POVC	180+00.00	605.2							
Symmetrical Parabola	VLOW	134+72.55	569.04	140	-0.20%	0.84%	134.5	0.18		Linear	PVC	157+77.50	586.55	162.5	0.72%					Symmetrical Parabola	POVC	180+50.00	602.51	310	-6.81%	-0.45%	48.75	2.46		
	POVC	135+00.00	569.07								POVC	158+00.00	586.76								POVC	181+00.00	600.34							
	PVI	135+15.00	568.92								POVC	158+50.00	587.56								PVI	181+10.00	597.5							
	POVC	135+50.00	569.26								POVC	159+00.00	588.85								POVC	181+50.00	598.68							
	PVT	135+85.00	569.51								POVC	159+50.00	590.6								POVC	182+00.00	597.53							
	PVT	135+85.00	569.51								PVI	159+70.00	587.93								POVC	182+50.00	596.89							
Linear	POVT	136+00.00	569.63	177.5	0.84%					Symmetrical Parabola	POVT	160+00.00	592.83	385	0.72%	8.00%	52.89	3.5		Linear	PVT	182+65.00	596.8	42.5	-0.45%					
	POVT	136+50.00	570.05								POVC	160+50.00	595.53								POVT	183+00.00	596.64							
	POVT	137+00.00	570.47								POVC	161+00.00	598.7								PVC	183+07.50	596.61							
	POVT	137+50.00	570.89								POVC	161+50.00	602.34								POVC	183+07.50	596.61							
	PVC	137+62.50	570.99								PVT	161+62.50	603.33								POVC	183+50.00	596.43							
	PVC	137+62.50	570.99								PVT	161+62.50	603.33								PVC	184+00.00	596.28							
Symmetrical Parabola	PVI	138+40.00	571.64	155	0.84%	0.23%	255.7	-0.12	1857.83	Linear	POVT	162+00.00	606.33	232.5	8.00%				Symmetrical Parabola	PVI	184+15.00	596.12	215	-0.45%	0.02%	456.2	0.13			
	POVC	138+00.00	571.28								POVT	162+50.00	610.33							POVC	184+50.00	596.18								
	POVC	138+50.00	571.57								POVT	163+00.00	614.32							POVC	185+00.00	596.14								
	POVC	139+00.00	571.77								POVT	163+50.00	618.32							VLOW	185+13.89	596.14								
Linear	PVT	139+17.50	571.82	137.5	0.23%					Symmetrical Parabola	PVC	163+95.00	621.92	350	8.00%	0.36%	45.84	-3.34	314.53	Symmetrical Parabola	PVRC	185+22.50	596.14	315	0.02%	-4.78%	65.6	-1.89	382.24	
	POVT	139+50.00	571.89								PVC	164+00.00	622.32								POVC	185+22.50	596.14							
	POVT	140+00.00	572.01								POVC	164+50.00	625.99								POVC	185+50.00	596.09							
	POVT	140+50.00	572.12								POVC	165+00.00	629.12								POVC	186+00.00	595.7							
	PVC	140+55.00	572.13								POVC	165+50.00	631.7								POVC	186+50.00	594.93							
	PVC	140+55.00	572.13								PVI	165+70.00	635.92								PVI	186+80.00	596.17							
Symmetrical Parabola	POVC	141+00.00	572.28	220	0.23%	1.17%	235.1	0.26		Linear	POVC	166+00.00	633.74	80	0.36%				Linear	POVC	187+00.00	593.77	37.5	-4.78%						
	POVC	141+50.00	572.54								POVC	166+50.00	635.23							POVC	187+50.00	592.24								
	PVI	141+65.00	572.38								POVC	167+00.00	636.17							PVT	188+00.00	590.32								
	POVC	142+00.00	572.91								PVT	167+45.00	636.55							PVT	188+37.50	588.64								
	POVC	142+50.00	573.39								PVT	167+45.00	636.55							PVT	188+37.50	588.64								
	PVT	142+75.00	573.67								POVT	167+50.00	636.57							POVT	188+50.00	588.04								
Linear	PVT	142+75.00	573.67	110	1.17%					Symmetrical Parabola	POVT	168+00.00	636.75	180	0.36%	2.74%	75.64	0.54		Symmetrical Parabola	PVC	188+75.00	586.84	320	-4.78%	-0.02%	67.25	1.9		
	POVT	143+00.00	573.96								PVC	168+25.00	636.84								POVC	189+00.00	585.69							
	POVT	143+50.00	574.54								POVC	168+25.00	636.84								POVC	189+50.00	583.67							
	PVC	143+85.00	574.95								POVC	169+00.00	637.49								POVC	190+00.00	582.03							
Symmetrical Parabola	PVC	143+85.00	574.95	230	1.17%	4.22%	75.31	0.88		Linear	PVI	169+15.00	637.17	97.5	2.74%				Symmetrical Parabola	PVI	190+35.00	579.19	320	-4.78%	-0.02%	67.25	1.9			
	POVC	144+00.00	575.14								POVC	169+50.00	638.33							POVC	190+50.00	580.75								
	POVC	144+50.00	575.99								POVC	170+00.00	639.5							POVC	191+00.00	579.85								
	PVI	145+00.00	576.29								PVT	170+05.00	639.64							POVC	191+50.00	579.31								
	POVC	145+00.00	577.17								PVT	170+05.00	639.64							PVT	191+95.00	579.15								
	POVC	145+50.00	578.68								POVT	170+50.00	640.87							PVT	191+95.00	579.15								
POVC	146+00.00	580.52	POVT	171+00.00	642.24	PVT	191+95.00	579.15																						
PVT	146+15.00	581.14	PVC	171+02.50	642.31	PVC	171+02.50	642.31																						

PVC - POINT OF VERTICAL CURVATURE
PVT - POINT OF VERTICAL TANGENCY
PVI - POINT OF VERTICAL INTERSECTION

POVT - POINT ON VERTICAL TANGENT
POVC - POINT ON VERTICAL CURVE

PROJECT NAME: BETHEL-RANDOLPH
PROJECT NUMBER: STP 2921(I)
FILE NAME: z10c244.dgn PLOT DATE: 4/23/2015
PROJECT LEADER: C. LATHROP DRAWN BY: J. GOODALL
DESIGNED BY: S. LAMPHERE CHECKED BY: C. LATHROP
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